1	JOSEPH H. HUNT Assistant Attorney General		
234	ALEX G. TSE (CABN 152348) United States Attorney SARA WINSLOW (DC Bar No. 457643) Chief, Civil Division		
5 6 7 8	MICHAEL T. PYLE (CABN 172954) Assistant United States Attorney 150 Almaden Boulevard, Suite 900 San Jose, California 95113 Telephone: (408) 535-5087 FAX: (408) 535-5081 Email: michael.t.pyle@usdoj.gov		
9 10 11 12 13	MICHAEL GRANSTON MICHAL TINGLE ROBERT CHANDLER Attorneys, Civil Division United States Department of Justice P.O. Box 261, Ben Franklin Station Washington, D.C. 20044 Telephone: (202) 514-4678 robert.chandler@usdoj.gov		
15	Attorneys for the United States of America UNITED STATES DISTRICT COURT		
16	NORTHERN DISTRICT OF CALIFORNIA SAN FRANCISCO DIVISION		
17 18			
19 20 21	UNITED STATES OF AMERICA, ex rel. JAHR, et al., Plaintiffs,	Case No. C 13-3835 JD UNITED STATES' COMPLAINT IN INTERVENTION AGAINST TETRA TECH EC, INC.	
22 23 24	v. TETRA TECH EC, INC., et al., Defendants.	DEMAND FOR JURY TRIAL Description:	
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28	UNITED STATES' COMPLAINT IN INTERVENTION, No	o. C 13-3835 JD	

For its Complaint in Intervention against Tetra Tech EC, Inc., the United States of America alleges as follows:

I. NATURE OF ACTION

- 1. The United States brings this action against Tetra Tech EC, Inc. ("Tetra Tech EC") to recover treble damages and civil penalties under the False Claims Act, 31 U.S.C. §§ 3729-33, and to recover damages and other monetary relief under the common law theory of breach of contract.
- 2. This action concerns Tetra Tech EC's submission of false claims under contracts with the United States Navy to provide radiological remediation services at the Hunters Point Naval Shipyard ("Hunters Point") in San Francisco, California.
- 3. Hunters Point was established as a commercial shipyard in 1870. The Navy operated the shipyard from 1940 to 1974 and, during that time, it used Hunters Point to house the Naval Radiological Defense Laboratory and to decontaminate ships. In 1989, Hunters Point was declared a Superfund site under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), requiring a long-term cleanup plan. In 1991, the Base Realignment and Closure Commission (BRAC) recommended Hunters Point for closure. The Navy has agreed to convey Hunters Point to the City and County of San Francisco for residential and commercial development on a parcel-by-parcel basis as the environmental cleanup is completed.
- 4. From 2003 through 2014, Tetra Tech EC and certain of its predecessor companies (collectively, "Tetra Tech") entered into a series of contracts with the United States Navy to provide radiological remediation services at Hunters Point. These contracts required Tetra Tech,

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among other things, to investigate radiological contamination of soil and buildings, remediate and remove waste as necessary, and provide status reports to the Navy documenting its activities to support the redevelopment of radiologically impacted sites and buildings at Hunters Point for non-military use. The objective of these contracts was to achieve "free-release" of radiologically impacted areas by testing soil and buildings in those areas, and remediating as necessary, until test results demonstrated that radiation levels were below applicable release criteria and regulatory limits. Pursuant to its agreement with the City and County of San Francisco, the Navy must complete the radiological remediation of Hunters Point before it can transfer the property to the City and County for redevelopment. The Navy awarded contracts to Tetra Tech to perform these services at certain areas of Hunters Point designated as Parcels B, C, D-2, E and G, and Utility Corridors 1, 2, and 3.¹ The following map depicts the Parcels of Hunters Point, including those where Tetra Tech was to perform radiological remediation:



5. As detailed below, Tetra Tech violated the False Claims Act and breached its contracts with the Navy by: (1) misrepresenting the source of soil samples submitted to the laboratory for testing; (2) manipulating data from radiological testing of buildings; and (3) reporting false results from the radiological soil and building tests. Tetra Tech submitted false claims to the Navy for this work as if it was properly performed when it was not. The Navy relied on Tetra Tech's misrepresentations in concluding that the remediation of radiologically-

impacted areas at Hunters Point was complete and made payments to Tetra Tech based on these material misrepresentations.

6. During the period May 2005 through January 2018, Tetra Tech submitted, or caused to be submitted, materially false claims to the Navy for fraudulent testing and reporting at Hunters Point, and made, or caused to be made, material false statements to the Navy in connection with the fraudulent testing and reporting. In addition, Tetra Tech breached contracts with the Navy, causing disruption, uncertainty, and delays in the remediation and transfer of parcels of land at Hunters Point. Tetra Tech's conduct caused the United States to incur substantial additional costs, the magnitude of which is still increasing.

II. JURISDICTION AND VENUE

- 7. This Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331, 1345, 1367(a), and 31 U.S.C. § 3732. The Court may exercise personal jurisdiction over Tetra Tech pursuant to 31 U.S.C. § 3732(a) because Tetra Tech transacts business in this District.
- 8. Venue is proper in the Northern District of California under 31 U.S.C. § 3732(a) and 28 U.S.C. § 1391(b) and (c) because Tetra Tech transacts business in this District.

III. PARTIES

- 9. The United States brings this action on behalf of the Department of the Navy.
- 10. Tetra Tech EC, Inc. is a wholly-owned subsidiary of Tetra Tech Inc., with its principal place of business in Morris Plains, New Jersey. At all times relevant to this complaint, Tetra Tech EC, Inc., and its predecessor companies, was a company providing remediation and construction services worldwide, including to the federal government. Tetra Tech's predecessor

companies include Foster Wheeler Environmental Corporation and Tetra Tech FW Inc. Upon 1 information and belief, Tetra Tech EC assumed all liabilities of its predecessor companies. 2 3 IV. THE FALSE CLAIMS ACT 4 11. The False Claims Act, 31 U.S.C. §§ 3729-33, as amended by the Fraud Enforcement 5 and Recovery Act of 2009, Pub.L. 111-21 (May 20, 2009), provides, in pertinent part, that: 6 7 [A]ny person who— 8 (A) knowingly presents, or causes to be presented, a false or fraudulent claim 9 for payment or approval; [or] 10 (B) knowingly makes, uses, or causes to be made or used, a false record or statement material to a false or fraudulent claim: 11 12 is liable to the United States Government for a civil penalty of not less than \$5,000 and not more than \$10,000, as adjusted by the Federal Civil Penalties Inflation Adjustment 13 Act of 1990 (28 U.S.C. § 2461 note; Public Law 104-410), plus 3 times the amount of damages which the Government sustains because of the act of that person. 14 15 31 U.S.C. § 3729(a)(1). 16 12. Prior to the enactment of the Fraud Enforcement and Recovery Act of 2009, the False 17 Claims Act provided, in pertinent part, that: 18 Any person who – 19 20 (1) knowingly presents, or causes to be presented, to an officer or employee of the United States Government or a member of the Armed Forces of the United States a false or 21 fraudulent claim for payment or approval; 2.2 (2) knowingly makes, uses, or causes to be made or used, a false record or 23 statement to get a false or fraudulent claim paid or approved by the Government: 2.4 Is liable to the United States Government for a civil penalty of not less than \$5,000 and 25 not more than \$10,000, plus 3 times the amount of damages which the Government 26 sustains because of the act of that person[.] 27

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13. Pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990, as amended by the Debt Collection Improvement Act of 1996, 28 U.S.C. § 2461, and 64 Fed. Reg. 47099, 47103 (1999), the False Claims Act civil penalties were adjusted to \$5,500 to \$11,000 per false claim for violations occurring on or after September 29, 1999. The penalty range was increased to \$10,781 to \$21,563 effective August 1, 2016, for violations occurring on or after November 2, 2015. 81 Fed. Reg 42491, 42494 (2016).

14. The False Claims Act defines "knowing" and "knowingly" as follows:

[T]he terms "knowing" and "knowingly"—

- (A) mean that a person, with respect to information—
 - (i) has actual knowledge of the information;
 - (ii) acts in deliberate ignorance of the truth or falsity of the information; or
 - (iii) acts in reckless disregard of the truth or falsity of the information; and
- (B) require no proof of specific intent to defraud.

31 U.S.C. § 3729(b)(1).

V. FACTUAL ALLEGATIONS

A. Radiological History of Hunters Point

15. Hunters Point is located in southeast San Francisco on a peninsula that extends east into the San Francisco Bay. A subsidiary of the Bethlehem Steel Company operated it as a drydock facility for commercial and military ship maintenance and repair from 1868 until 1939, when the Navy purchased it. On December 18, 1941, eleven days after the United States entered World War II, the Navy took full control of Hunters Point. To support the war effort, the Navy constructed numerous buildings, and excavated surrounding hills to expand the shoreline into the

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 reserve fleet ships returning from the Pacific.

16. Shipyard operations by the Navy involved the use of general radioactive material.

Such operations included refurbishment and handling of radioluminescent devices and paint,

Bay. After World War II ended, the Navy used Hunters Point's expansive berthing facilities for

Such operations included refurbishment and handling of radioluminescent devices and paint, gamma radiography, calibration laboratory operations to ensure the accuracy of radiological survey instruments, and decontamination of ships (including ships returning from Operation Crossroads -- atomic weapons testing in the Bikini Atoll in the Marshall Islands). In addition, in 1946, the Navy established at Hunters Point a laboratory that eventually became the Naval Radiological Defense Laboratory ("Defense Lab"). The Defense Lab, which occupied up to 20 buildings at Hunters Point, was a center for research into decontamination and the effects of fallout and radiation on living organisms and on natural and synthetic materials. The Defense Lab used a large number of radionuclides, as well as machines that generated radiation and charged particles. The Navy closed the Defense Lab in 1969. The Navy also used Hunters Point's berthing and drydocking facilities for the maintenance and repair of nuclear-powered ships.

17. The Navy ceased operating Hunters Point as a Naval shipyard in 1974. From 1974 to 1986, the Navy leased facilities at Hunters Point to private tenants. The Navy resumed operation of the shipyard in 1986, when Hunters Point was designated as an annex to Naval Station Treasure Island. Shipyard operations were permanently terminated on December 29, 1989. In 1991, Hunters Point was identified for closure and reuse pursuant to the Base Realignment and Closure Act of 1988. On January 21, 1994, the Navy and the City and County of San Francisco

Parcel A of Hunters Point was removed from the National Priorities List in February 1999, and transferred to the City and County of San Francisco in December 2004.

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executed a memorandum of understanding establishing a process for the transfer of Hunters

Point to the City and County of San Francisco for redevelopment.

18. In 1989, the United States Environmental Protection Agency (EPA) placed Hunters Point on the National Priorities List of Superfund sites pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), which required the Navy to conduct a preliminary assessment of contamination of the property. Accordingly, the Navy conducted and published a two-volume Historical Radiological Assessment (HRA). Volume II, entitled *Final Historical Radiological Assessment, History of the Use of General Radioactive Materials, 1939 – 2003*, was published in August 2004. It concluded that low levels of radioactive contamination existed within Hunters Point, and identified impacted sites for further investigation and remediation.

19. On April 21, 2006, the Navy published the *Final Basewide Radiological Removal Action Memorandum-Revision 2006, Hunters Point Shipyard, San Francisco, California* ("2006 Action Memo"). The purpose of the 2006 Action Memo was to document for the administrative record the Navy's "decision to undertake time-critical removal actions (TCRAs), at areas throughout the base that may contain localized radioactive contamination in soils, debris/slag, and buildings [at Hunters Point], as identified in [the HRA]." Attached as Table 1 to the 2006 Action Memo were the "release criteria." The release criteria established the cleanup goals for each radionuclide of concern for soil, surfaces, and water. The 2006 Action Memo prescribed that "[b]efore initiating a removal action per this [Action Memo], the area being considered will be characterized using real-time radiation detection devices or soil sampling and analysis."

20. Several radiological investigations and radiological removal actions have been

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conducted at Hunters Point since being placed on the National Priorities List. As discussed below, the Navy awarded several contracts to Tetra Tech, to perform these investigations and removal actions.

B. Contracts Awarded to Tetra Tech for Radiological Remediation at Hunters Point

- 21. In order to conduct the necessary radiological investigation and remediation at Hunters Point, the Navy solicited proposals from contractors pursuant to several Environmental Multiple Award Contracts for Environmental Remediation Services for Radiological Contaminants. As discussed below, the Navy awarded several contracts (called "task orders") to Tetra Tech for the radiological investigation and remediation of radiologically-impacted sites throughout Hunters Point.
- 22. The objective of the task orders was to achieve "free release" of the radiologically-impacted areas at Hunters Point so that the Navy could transfer the property to the City and County of San Francisco for redevelopment. The HRA defines "free release" as a recommendation made after investigations and surveys indicate all applicable release criteria have been met and the site is ready for review by Navy and regulatory agencies for future non-radiological use. The release criteria for each radionuclide of concern for surfaces, soil and water, is set forth in Table 1 to the 2006 Action Memo and incorporated by reference into each of the relevant task orders.
- 23. The task orders required the radiological investigation and remediation to be accomplished through testing and analysis of soil samples, and the scanning of building surfaces with radiological detection instruments. Soil samples and radiological readings of building

 Hunters Point. Task orders awarded to Tetra Tech included both cost plus award fee contracts and firm fixed price contracts.

(1) Cost Plus Award Fee Contracts

surfaces were conducted within designated "survey units," which are measured areas throughout

24. The cost plus award fee contracts awarded to Tetra Tech obligated the Navy to pay Tetra Tech its allowable costs for providing the services described in the scope of work, plus a discretionary award fee, up to a maximum amount. Cost plus award fee contracts allow the payment of an award fee, based on a judgmental evaluation by the government, sufficient to provide motivation for excellence in contract performance. *See* Federal Acquisition Regulation (FAR) § 16.305. A contractor may earn an award fee if its overall cost, schedule, and technical performance is satisfactory. FAR § 16.401. For each of the cost plus award fee contracts identified below, Tetra Tech submitted progress reports and vouchers for its costs and fees. A government official certified the vouchers for payment in reliance on Tetra Tech's representations.

25. On March 23, 2003, the Navy awarded contract number N68711-98-D-5713, task order 0072 ("Task Order 5713-0072"), to Foster Wheeler Environmental Corporation, a predecessor company of Tetra Tech EC, Inc. The Navy's purpose in awarding Task Order 5713-0072 was to acquire radiological sampling and remediation services for Hunters Point. Services required under Task Order 5713-0072 included radiological surveys and remedial activities of buildings, former building sites, sewer and drain systems, fill, and surrounding areas in Parcels C, D, and E of Hunters Point. Task Order 5713-0072 was a cost plus award fee contract that obligated the Navy to pay Tetra Tech its allowable costs for providing the required services, plus

a discretionary award fee, not to exceed the maximum cost plus fee of \$31,397,209. After 52

contract modifications, the total contract value awarded was \$83,721,008.

26. On February 13, 2004, the Navy awarded contract number N68711-98-D-5713, task order 0084 ("Task Order 5713-0084"), to Tetra Tech FW Inc., a predecessor company of Tetra Tech EC, Inc. The objective of Task Order 5713-0084 was to excavate and dispose of anthropogenic polychlorinated biphenyl ("PCB") soil contamination from a PCB Excavation Site in Parcel E of Hunters Point. Because low-level radiation was expected to be present in the soil, radiation screening of the soil was also required. Task Order 5713-0084 was a cost plus award fee contract that obligated the Navy to pay Tetra Tech its allowable costs for providing the required services, plus a discretionary award fee, not to exceed the maximum cost plus fee of \$1,368,238. After 27 contract modifications, the total contract value awarded was \$10,248,848.

order 006 ("Task Order 2201-006") to Tetra Tech EC, Inc. The scope of work in Task Order 2201-006 required Tetra Tech to perform radiological investigation and remediation to address radiologically-impacted sites in Parcel B and one building in Parcel D. The primary objective of Task Order 2201-006 was for Tetra Tech EC, Inc. to complete all radiological work for each radiologically-impacted site in Parcel B that was identified in the HRA, and to provide general base-wide radiological support services. Task Order 2201-006 was a cost plus award fee contract that obligated the Navy to pay Tetra Tech its allowable costs for providing the services, plus a discretionary award fee, not to exceed the maximum cost plus fee of \$17,485,300. Task Order 2201-006 included an option to increase the costs by \$2,351,058 and the fee by \$213,728. After 13 contract modifications, the total contract value awarded was \$32,742,848.

28. On December 18, 2006, the Navy awarded contract number N44255-01-D-2000, task order 0070 ("Task Order 2000-0070"), to Tetra Tech EC, Inc. The primary objective of Task Order 2000-0070 was for Tetra Tech EC, Inc. to complete all radiological work for each radiologically-impacted site in Parcel D that was identified in the HRA, and some unfinished work in Parcel B. The task order required Tetra Tech to perform surveys and remediation of buildings, a pier, and sanitary sewer and storm drain sites. Task Order 2000-0070 was a cost plus award fee task order. The task order obligated the Navy to pay Tetra Tech its allowable costs for providing the services, plus a discretionary award fee, not to exceed the maximum cost plus fee of \$14,990,147. After eight contract modifications, the total contract value awarded was \$22,523,715.

29. On April 20, 2009, the Navy awarded contract number N62473-07-D-3211, task order 0018 ("Task Order 3211-0018"), to Tetra Tech EC, Inc. The objective of Task Order 3211-0018 was for Tetra Tech to provide base-wide support to contractors performing chemical and radiological removal and remediation at Hunters Point. Tetra Tech was required to maintain on-site laboratory services to test survey samples for radionuclides of concern, and to operate a Radiological Screening Yard to support radiological removal actions and investigations being performed under different task orders. Task Order 3211-0018 was a cost plus award fee contract that obligated the Navy to pay Tetra Tech its allowable costs for providing the services, plus a discretionary award fee, not to exceed the maximum cost plus fee of \$13,882,869. After 12 contract modifications, the total contract value awarded was \$19,126,849.

30. On June 3, 2009, the Navy awarded contract number N62473-07-D-3211, task order 0019 ("Task Order 3211-0019"), to Tetra Tech EC, Inc. The primary objective of Task Order

 3211-19 was for Tetra Tech to complete specified radiological remediation and surveys at remaining Parcel B sanitary sewer and storm drain sites. Task Order 3211-0019 was a cost plus award fee contract that obligated the Navy to pay Tetra Tech its allowable costs for providing the services, plus a discretionary award fee, not to exceed the maximum cost plus fee of \$884,716.

After five contract modifications, the total contract value awarded was \$876,764.

(2) Fixed Price Contract Awards

31. The firm fixed price contracts awarded to Tetra Tech obligated the Navy to pay a maximum fixed amount for the services required under the contracts, regardless of Tetra Tech's costs. Firm fixed price contracts place upon the contractor maximum risk and full responsibility for all costs and resulting profit or loss. *See* FAR § 16.202-1. Firm fixed price contracts provide maximum incentive for the contractor to control costs and perform effectively, and impose a minimum administrative burden on the contracting parties. *Id.* For each of the firm fixed price contracts awarded to Tetra Tech identified below, Tetra Tech submitted monthly progress reports and invoices based on the percentage of work completed. Tetra Tech certified the invoices for payment, and government officials authorized payment to Tetra Tech in reliance on Tetra Tech's representations.

32. On September 4, 2008, the Navy awarded contract number N62473-08-D-8823, task order 002 ("Task Order 8823-002"), to Tetra Tech EC, Inc. The primary objective of Task Order 8823-002 was to remove and remediate sewer and storm drain lines along Fisher and Spear Avenues. Task Order 8823-002 required Tetra Tech to remove, survey, remediate, clear, and dispose of appropriately all sewer and storm drain systems, including the peripheral soil, in these two areas in order to attain free release. Task Order 8823-002 was a firm fixed price task order

that obligated the Navy to pay Tetra Tech a maximum fixed amount of \$6,343,703 for providing

the services required under the contract, regardless of Tetra Tech's costs. After six contract

modifications, the total contract value awarded was \$7,033,848.

value awarded was \$13,019,641.

33. On September 21, 2009, the Navy awarded contract number N62473-08-D-8823, task order 003 ("Task Order 8823-003"), to Tetra Tech EC, Inc. Task Order 8823-003 addressed the recommendations in the HRA for the radiologically-impacted sites in Parcel E, specifically focusing on sanitary sewer and storm drain lines along Crisp Road, and radiologically-impacted buildings and sites in the central portion of Parcel E. The primary objective of the solicitation was to achieve unrestricted free release of the sewer and storm line survey units along Crisp Road and the central areas of Parcel E. Additional work required by Task Order 8823-003 included surveys, remediation, and reporting for certain radiological buildings and sites in Parcel E. Task Order 8823-003 was a firm fixed price contract that obligated the Navy to pay Tetra

Tech a maximum fixed amount of \$13,070,672 for providing the services required under the

contract, regardless of Tetra Tech's costs. After five contract modifications, the total contract

34. On June 23, 2010, the Navy awarded contract number N62473-10-D-0809, task order 002 ("Task Order 0809-002"), to Defendant Tetra Tech EC, Inc. The focus of Task Order 0809-002 was Parcel C. The primary objective of the scope of work in Task Order 0809-002 was to achieve free release of Buildings 203, 214, 241, 271, and 272, and unrestricted free release of the sewer and storm drain survey units in Parcel C. Task Order 0809-002 was a firm fixed price contract that obligated the Navy to pay Tetra Tech a maximum fixed amount of \$11,494,845 for

providing the services required under the contract, regardless of Tetra Tech's costs. After nine

contract modifications, the total contract value awarded was \$12,082,759.

modifications, the total contract value awarded was \$24,843,771.

35. On September 9, 2010, the Navy awarded contract number N62473-10-D-0809, task order 0004 ("Task Order 0809-0004"), to Defendant Tetra Tech EC, Inc. Task Order 0809-0004 obligated Tetra Tech to provide base-wide radiological support to enable contractors to complete radiological removal and remediation work at Hunters Point, including the operation of radiological screening yards that accepted and processed radiologically impacted soil from the removal of storm and sanitary sewers, and the performance of routine surveys of radiologically impacted buildings and sites. Task Order 0809-0004 was a firm fixed price contract. The contract obligated the Navy to pay Tetra Tech a maximum fixed amount of \$14,040,521 for the services required under the contract, regardless of Tetra Tech's costs. After 10 contract

36. On September 22, 2010, the Navy awarded contract number N62473-10-D-0809, task order 007 ("Task Order 0809-007"), to Tetra Tech EC, Inc. The solicitation for Task Order 0809-007 was for radiological remediation and support for the 500 series area of Parcel E. The objective was to achieve free release of sewer and storm drain survey units, buildings, building sites, and the 500 series site of Parcel E. Task Order 0809-007 was a firm fixed price contract that obligated the Navy to pay Tetra Tech a maximum fixed amount of \$9,984,979 for providing the services required under the contract, regardless of Tetra Tech's costs. After 11 contract modifications, the total contract value awarded was \$11,408,410.

37. On July 10, 2012, the Navy awarded contract number N62473-10-D-0809, task order

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0012 ("Task Order 0809-0012"), to Tetra Tech EC, Inc. Task Order 0809-0012 was in support of Phase II of Parcel C remediation, focusing on sanitary sewer and storm drain lines and radiologically-impacted ship berths and sites. The objective of the solicitation was to achieve unrestricted free release of the sewer and storm drain survey units and ship berths in Parcel C. For the ship berths, Tetra Tech was required to perform characterization surveys, remediation, remedial action surveys, and final status surveys, and submit a final status survey report. For the sanitary and sewer drain systems, Tetra Tech was responsible for removing the sewer and storm drain lines and the associated impacted soil, surveying the trench and remediating it as necessary, performing a final status survey, and submitting a final status survey report to the Navy. Task Order 0809-0012 was a firm fixed price contract that obligated the Navy to pay Tetra Tech a maximum fixed amount of \$9,846,298 for providing the services required under the contract, regardless of Tetra Tech's costs. After five contract modifications, the total contract value awarded was \$10,487,802.

38. On September 19, 2012, the Navy awarded contract number N62473-12-D-2006, task order 0004 ("Task Order 2006-0004"), to Tetra Tech EC, Inc. Task Order 2006-0004 required Tetra Tech to perform and report on surveys to analyze the radiological contamination in Buildings 253 and 211 in Parcel C and to identify and bound the areas of contamination. Task Order 2006-0004 was a firm fixed price contract that obligated the Navy to pay Tetra Tech a maximum fixed amount of \$5,892,247 for the services required under the contract, regardless of Tetra Tech's costs. After two contract modifications, the total contract value awarded was \$7,255,881.

39. On August 13, 2013, the Navy awarded contract number N62473-10-D-0809, task

order 0015 ("Task Order 0809-0015"), to Tetra Tech EC, Inc. Task Order 0809-0015 addressed recommendations in the HRA for radiologically-impacted sanitary sewer and storm drain lines in Parcel E. Tetra Tech was responsible for the excavation of the sanitary sewer and storm drain lines, as well as the sampling, analysis, and clearance of radiologically-impacted soils. The primary objective of Task Order 0809-0015 was to complete the removal action, and deliver a Final Status Survey Report containing adequate information and data to achieve unrestricted free release. Task Order 0809-0015 was a firm fixed price contract that obligated the Navy to pay Tetra Tech a maximum fixed amount of \$4,894,307 for the services required under the contract, regardless of Tetra Tech's costs. After two contract modifications, the total contract value awarded was \$5,061,910.

40. On September 23, 2014, the Navy awarded contract number N62473-10-D-0809, task order 0016 ("Task Order 0809-0016"), to Tetra Tech EC, Inc. Task Order 0809-0016 was in support of Phase III of Radiological Remediation and Support of Parcel C. The objective of Task Order 0809-0016 was to achieve unrestricted free release of the remaining sewer and storm drain survey units in Parcel C, and unrestricted free release of Buildings 205 and 224. Task Order 0809-0016 was a firm fixed price contract that, as modified, obligated the Navy to pay Tetra Tech a maximum fixed amount of \$669,812 for the services required under the contract, regardless of Tetra Tech's costs.

41. The contracts identified in paragraphs 24-40 shall be referred to collectively as the "Relevant Contracts."

C. Governing Contract Terms, Regulations, and Procedures to Ensure Proper Radiological Investigation of Soil and Buildings

42. Each of the Relevant Contracts required Tetra Tech to conduct radiological investigation of soil and buildings in accordance with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM). MARSSIM is a consensus document published by the EPA, the U.S. Department of Defense, the U.S. Department of Energy, and the U.S. Nuclear Regulatory Commission that provides detailed guidance for the investigation and remediation of radiologically impacted sites.

43. For the radiological investigation and remediation of soil at Hunters Point, the Relevant Contracts and MARSSIM required Tetra Tech to take the following steps for each survey unit: (1) determine the boundaries of the survey unit; (2) collect soil samples for laboratory analysis in order to characterize the survey unit; (3) if laboratory results demonstrate that the soil is above release criteria, remediate survey unit by removing and disposing of soil; (4) collect soil samples for laboratory analysis from locations that tested above release criteria to ensure that remediation was effective; (5) further remediate if necessary; and (6) collect final status survey soil samples for laboratory analysis. The Relevant Contracts require Tetra Tech to "perform remediation and additional excavation until remediation goals have been met and or appropriate risk levels have been reached."

44. The Relevant Contracts required Tetra Tech to provide radiological investigation of buildings at Hunters Point by conducting alpha, beta, and gamma radiation scans of building surfaces using radiation detection instruments. The Relevant Contracts and MARSSIM required Tetra Tech to take the following steps: (1) scan and remove material, equipment, and building debris; (2) determine the Class, and therefore size, of survey units (Class 1 survey units, defined

as having reasonable potential for contamination above release criteria, are divided into areas of less than 100 square meters; Class 2 survey units, defined as having reasonable potential for contamination but below release criteria, are divided into areas less than 1,000 square meters); (3) conduct radiation scans by moving detectors across surfaces at required speeds; (4) download data from detection instruments; (5) correct survey results for naturally occurring background radiation; (6) evaluate data to determine whether the survey unit exceeds release criteria; (7) remediate, remove and dispose of material, if necessary; and (8) repeat the above steps until release criteria are met.

D. Tetra Tech's Fraudulent Course of Conduct

45. At all times relevant to this Complaint, Tetra Tech contracted with New World Technology, Inc. or Radiological Survey & Remedial Services, Inc. to provide Radiological Control Technicians (RCT) to work on the radiological investigation and remediation of Hunters Point. Tetra Tech managers, including Stephen Rolfe and Justin Hubbard, supervised crews of RCTs who were collecting soil samples and conducting building scans in Parcels B, C, D-2, E and G, and Utility Corridors 1, 2, and 3.

46. William Dougherty was the Project Manager for Tetra Tech between on or about March 1, 2006 and early 2014. Dougherty worked on-site at Hunters Point, and was responsible for managing all aspects of Tetra Tech's work. Dougherty had daily contact with, and gave direction to, Rolfe and Hubbard.

47. At all times relevant to the complaint, Dennis McWade was a Construction Manager for Tetra Tech at Hunters Point. McWade worked on-site at Hunters Point, and was responsible

for managing the crews performing radiological surveys and remediation at Hunters Point for Tetra Tech. McWade had daily contact with, and gave direction to, Rolfe and Hubbard.

- 48. At all times relevant to the complaint, Rick Weingarz was employed by Tetra Tech as an Assistant Project Manager at Hunters Point. Weingarz worked on-site at Hunters Point, and was responsible for managing the crews performing radiological surveys and remediation at Hunters Point for Tetra Tech. Weingarz had daily contact with, and gave direction to, Rolfe and Hubbard.
- 49. Andrew Bolt, who has been Tetra Tech's President since on or about July 2014, served as Tetra Tech's Senior Vice President, Remediation and Program Manager, from 1994 until 2014. Bolt, who was Dougherty's boss, provided Dougherty with monthly financial reports regarding Tetra Tech's profits from its contracts to perform remediation work at Hunters Point.
- 50. Rolfe, Hubbard, Dougherty, McWade, Weingarz and Bolt were each employed by Tetra Tech EC in a managerial capacity at all times relevant to this Complaint, and each of them was acting within the scope of employment at all times relevant to this Complaint.
- 51. Tetra Tech's fraud was initiated and directed by Tetra Tech's corporate managers, including, but not limited to, Bolt, Dougherty, Weingarz, McWade, Rolfe, and Hubbard.
 - (1) When Investigating Soil Contamination, Tetra Tech Caused Technicians to Replace Collected Soil Samples with Clean Soil From a Different Location Before Submitting the Samples to the Lab for Analysis
- 52. In performing the Relevant Contracts, Tetra Tech was responsible for conducting soil surveys, in accordance with MARSSIM, in order to identify and define the boundaries of

radiological contamination. Soil surveys were used to determine whether further remediation

was necessary.

"survey units," each of which defined a discrete area for analysis. Where feasible and practical, survey units were defined with reference to fixed features within a parcel, such as a building, or a trench created from the removal of a sewer or storm drain line. For areas other than buildings, Tetra Tech was responsible for collecting soil samples from designated points within each survey unit and submitting the samples to a laboratory for analysis. If the laboratory analysis demonstrated a higher-than-allowable concentration of radionuclides of concern within a particular survey unit, Tetra Tech was required to remediate the survey unit. After completing the work it believed was necessary to remediate the area, Tetra Tech would collect new samples (or building scan data) for another round of analysis. This process was repeated until all samples collected within a survey unit passed laboratory analysis, at which time the survey unit was deemed to have met the release criteria.

- 54. As detailed below, Tetra Tech managers instructed RCTs to discard soil samples collected from certain Survey Units at Hunters Point, replace the discarded samples with "clean" soil from other locations, and submit the replaced samples to the lab for analysis. Through this process, Tetra Tech misrepresented the location from which soil samples were collected and, thus, misrepresented the character of soil in the survey units from which it purported to have collected the samples.
- 55. In the course of conducting soil surveys under the Relevant Contracts, Tetra Tech managers, including Stephen Rolfe and Justin Hubbard, ordered RCTs to collect soil in buckets

from a location where they knew the soil was "clean," i.e., below the release criteria for

radionuclides of concern. Rolfe and Hubbard instructed the RCTs to keep the buckets of "clean" soil in a CONEX box (a trailer-sized container used to transport and store supplies) on site.

After RCTs collected soil samples in Ziploc bags, Rolfe and Hubbard ordered the RCTs to bring the bagged samples to the CONEX box, where they were instructed to empty the bags, and fill new bags with the "clean" soil from the buckets. Tetra Tech personnel labeled the new bags with the Survey Unit and Sample Identification Numbers of the discarded samples, and submitted the switched soil samples to the onsite lab for analysis. Tetra Tech submitted these falsified soil samples to the lab accompanied by a Tetra Tech Chain-of-Custody Record falsely identifying the Survey Unit (and therefore the location from which the soil was collected) of each sample. Each Chain-of-Custody Record was signed by the RCT or Tetra Tech representative relinquishing the samples, as well as the lab employee receiving the samples.

56. On the cost plus award fee contracts, Tetra Tech benefited from the falsification of soil surveys by billing for work it failed to perform in accordance with the Relevant Contracts, and by receiving award fees to which it was not entitled. On firm fixed price contracts, Tetra Tech benefited from the falsification of soil surveys by avoiding its obligation to remediate contaminated areas, thus decreasing its overall costs. Tetra Tech management at Hunters Point, including Project Manager Dougherty, was praised in performance evaluations for performing task orders under cost.

57. Tetra Tech falsified or caused the falsification of soil surveys, as described above, in connection with its work in the survey units identified in Exhibit 1 hereto. As a result, the

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reports Tetra Tech submitted to the Navy in connection with this work (which are identified in Exhibit 1 and described in paragraphs 66-68 below) were false.

(2) Rolfe and Hubbard Plead Guilty to Charges of Destruction, Alteration, or Falsification of Records in Federal Investigations

58. On March 15, 2017, Tetra Tech manager Stephen Rolfe pleaded guilty to destruction, alteration, or falsification of records in federal investigations and bankruptcy, in violation of 18 U.S.C. § 1519. In pleading guilty, Rolfe admitted that on approximately 20 occasions in 2012 he instructed the RCTs on his team to get "clean dirt" from areas known to be clean and taken from outside the marked Survey Unit areas to use as substitute samples for the dirt from the Survey Unit, and that he did this so that the Survey Unit would pass the laboratory analysis and not require further remediation. He further admitted that the switching of soil samples was done inside the CONEX box on site at Hunters Point and in his presence. He also admitted that, on these occasions, he knew that the soil locations reported on the Chain-of-Custody Record forms were false. Rolfe admitted that the motivation for his conduct came from pressure applied from his Tetra Tech management at Hunters Point, including Dougherty, Weingarz and McWade. Rolfe admitted that Tetra Tech management at Hunters Point directed him to get his crew "the hell out" of a survey unit that was testing above the release criteria, told him that they were "not remediating the whole goddam site," and directed him on numerous occasions to "get clean dirt." 59. On May 18, 2017, Tetra Tech manager Justin Hubbard pleaded guilty to destruction,

39. On May 18, 2017, Tetra Tech manager Justin Hubbard pleaded guilty to destruction, alteration, or falsification of records in federal investigations and bankruptcy, in violation of 18 U.S.C. § 1519. In pleading guilty, Hubbard admitted that in 2012 he obtained "clean" dirt from an area north of Buildings 253 and 211 at Hunters Point and substituted it for dirt taken from at least four Survey Units in the North Pier area of Hunters Point (i.e., Survey Units 1, 8, 10, and

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27 28 remediation was necessary.

11). He further admitted that he filled a five-gallon bucket with "clean" serpentinite soil from an area outside the relevant Survey Unit, and brought the bucket back to the CONEX box. Hubbard admitted that, once inside the CONEX box, he emptied the "legitimate" soil samples previously collected by RCTs from their sampling bags into an empty bucket, and substituted the clean serpentinite soil into each sampling bag. He also admitted that by switching the soil, he knew that the data on the Chain-of-Custody Record forms was false. Rolfe further admitted that he knew that the false data on the Chain-of-Custody Record forms was incorporated into maps and reports submitted to the Navy for the purpose of demonstrating that the area had been successfully remediated.

60. In engaging in the conduct described above, Rolfe and Hubbard acted within the scope of their employment with Tetra Tech, and for the purpose of benefitting Tetra Tech. Tetra Tech Management at Hunters Point, including but not limited to Dougherty, McWade, and Weingarz also acted within the scope of their employment with Tetra Tech, and for the purpose of benefitting Tetra Tech, when they knowingly directed and encouraged, and were aware of, the falsification of soil samples. Tetra Tech management did not alert the Navy of the fraud.

(3) When Investigating Building Contamination, Tetra Tech Falsified Data **Collected from Radiation Detection Instruments**

- 61. In performing the Relevant Contracts, Tetra Tech was responsible for conducting surveys of existing buildings, in accordance with MARSSIM, in order to characterize areas of radiological contamination. Building surveys were used to determine whether further
- 62. Tetra Tech conducted radiological building surveys by using radiation detection instruments to scan surfaces in the buildings. The radiation detection instruments were either

handheld or mounted on a cart. The data collected by the radiation detection instruments was downloaded by Tetra Tech personnel into a database, and then imported into a spreadsheet that was delivered to the Navy. The Navy relied on the results of Tetra Tech's building surveys to determine whether further remediation was necessary.

- 63. Following the discovery of the falsification of soil samples, the Navy reviewed the data from radiological surveys performed by Tetra Tech in buildings at Hunters Point. The Navy found that strings of data from readings from one instrument and surface were repeated for readings from other instruments and surfaces within a building. Duplicated strings of data were discovered in the results of surveys conducted in 15 of 28 buildings. In some instances, the exact time, to the second, that the reading was taken was also duplicated. In other cases, duplicated data strings were altered slightly in an effort to conceal manipulation of the data. The probability that the duplicated strings of data that the Navy discovered could occur by chance or innocent error is extraordinarily low.
- 64. Tetra Tech manipulated and falsified the building scan data that it provided to the Navy, rather than providing actual radiation detection results from a full building survey.
- 65. Tetra Tech falsified data collected from radiological scans of buildings throughout Hunters Point, including but not limited to Buildings 103, 113, 113A, 130, 146, 253, 272, 351, 351A, 365, 366, 401, 411, 439, and 810. Tetra Tech's falsification of data was sufficiently widespread that the Navy has been required to obtain new surveys of each of these buildings.
 - E. Final Status Survey Reports, Survey Unit Project Reports, and Removal Action Completion Reports
- 66. Pursuant to the Relevant Contracts, Tetra Tech prepared and submitted to the Navy Final Status Survey Reports, Final Survey Unit Project Reports, final Removal Action

Completion Reports, and/or Characterization Survey Result Reports (collectively, the "Reports") upon completion of the investigation and remediation of a survey unit. The Reports described the procedures and the results of the surveys performed to achieve unrestricted radiological release of the radiologically-impacted sites at Hunters Point. The Reports were signed by Dougherty as Tetra Tech's Project Manager at Hunters Point, in addition to other Tetra Tech officials.

67. In the Reports, Tetra Tech falsely stated that soil samples were properly collected from designated survey units, when, in fact, samples of soil that Tetra Tech management knew to be "clean" were collected from locations outside of the designated survey units and submitted to the laboratory for analysis. In the Reports, Tetra Tech stated the soil sample analytical results as if the soil was properly collected.

68. In the Reports, Tetra Tech falsely stated that building surveys were completed and properly performed, when in fact the building scan data was manipulated. In the Reports, Tetra Tech stated the building survey results as if the buildings were properly scanned and the data were properly recorded and reported.

F. Tetra Tech's Submission of False Claims

69. Tetra Tech submitted claims for payment to the United States under each of the Relevant Contracts knowing that the claims were false or fraudulent because they included claims: (a) for soil surveys in which Tetra Tech misrepresented the source of the soil samples collected; (b) for building surveys in which Tetra Tech falsified the data collected by radiation detection instruments; and/or (c) for preparing status survey reports containing falsified results from soil and building surveys.

70. Tetra Tech management, including but not limited to Dougherty and Bolt, submitted or caused to be submitted vouchers and invoices, accompanied by progress reports, representing that it fully and properly investigated and remediated radiological contamination in soil and buildings at Hunters Point. As described above, these representations were false.

71. Tetra Tech "knowingly" submitted vouchers and invoices and accompanying progress reports containing material misrepresentations, within the meaning of the False Claims Act, 31 U.S.C. § 3729(b).

G. Tetra Tech's Fraud Has Caused Disruption, Uncertainty, and Delays

72. Tetra Tech's fraudulent course of conduct has caused substantial disruption, uncertainty, and delay in the plan to remediate and transfer Hunters Point to the City and County of San Francisco for redevelopment, as well as fear in the community regarding the effects of any continued contamination at the site. Because of Tetra Tech's fraud in investigating the radiological contamination, the Navy will have pay another contractor to re-test much of the soil and buildings in the Parcels where Tetra Tech worked in order to determine whether further remediation is necessary. Tetra Tech's fraud has also caused the Navy to devote substantial resources to address the health and safety concerns of San Francisco residents. As a result of Tetra Tech's fraud, the transfer of Hunters Point to the City and County of San Francisco will be delayed by many years. The Government has also had to devote substantial resources to investigate the extent and impact of Tetra Tech's fraud.

FIRST CAUSE OF ACTION

(False Claims Act: Presentation of False Claims)

(31 U.S.C. § 3729(a)(1)(A))

- 73. The United States repeats and re-alleges the preceding paragraphs as if fully set forth herein.
- 74. Tetra Tech knowingly presented, or caused to be presented, false or fraudulent claims for payment or approval to the United States, in violation of 31 U.S.C. § 3729(a)(1)(A), by submitting claims for payment based upon falsified soil surveys, building surveys, and status survey reports. Tetra Tech's false or fraudulent claims include, but are not limited to, the invoices identified on Exhibit 2.
- 75. As a result of the false or fraudulent claims presented or caused to be presented by Tetra Tech, the United States paid Tetra Tech and suffered damages to be determined at trial. Under the False Claims Act, the United States is entitled to three times the amount of damages it sustained, plus civil penalties of not less than \$5,500 and not more than \$11,000 for each false claim.

SECOND CAUSE OF ACTION

(False Claims Act: False Statement Material to a False Claim)

(31 U.S.C. § 3729(a)(1)(B))

- 76. The United States repeats and re-alleges the preceding paragraphs as if fully set forth herein.
- 77. Tetra Tech made, used, or caused to be made or used, false records or statements material to false claims, in violation of 31 U.S.C. § 3729(a)(1)(B), by reporting false results from

soil and building surveys. Tetra Tech's false records or statements material to false claims include, but are not limited to those reports identified on Exhibit 1.

78. As a result of the false records or statements made or used, or cause to be made or used, by Tetra Tech, the United States paid Tetra Tech and suffered damages to be determined at trial. Under the False Claims Act, the United States is entitled to three times the amount of damages it sustained, plus civil penalties of not less than \$5,500 and not more than \$11,000 for each violation.

THIRD CAUSE OF ACTION

(Breach of Contract)

- 79. The United States repeats and re-alleges the preceding paragraphs as if fully set forth herein.
- 80. Each of the Relevant Contracts required Tetra Tech to perform soil and building surveys in accordance with MARSSIM and other contract specifications.
- 81. Based on the actions described above, Tetra Tech breached the Relevant Contracts by falsifying soil samples, falsifying building scan data, and failing to perform full, complete, and accurate investigations of radiological contamination.
- 82. The United States has incurred damages, including consequential damages, as a result of Tetra Tech's breaches of the Relevant Contracts.

PRAYER FOR RELIEF

WHEREFORE, the United States demands and prays that judgment be entered in its favor against Defendant Tetra Tech EC, Inc. as follows:

1	1. On the First Cause of Action under the False Claims Act, for the amount of the United		
2	States' damages, trebled as required by law, and such civil penalties as are required by law,		
3	together with such further relief as may be just and proper.		
4	2. On the Second Cause of Action under the False Claims Act, for the amount of the		
5	United States' damages, trebled as required by law, and such civil penalties as are required by		
6	law, together with such further relief as may be just and proper.		
7	3. On the Third Cause of Action for breach of contract, for an amount equivalent to the		
9	loss sustained by the United States, including consequential damages, plus interest, costs, and		
10	expenses, and for such further relief as may be just and proper.		
11	expenses, and for such further rener as may be just and proper.		
12	DATED: January 14, 2019	Respectfully submitted,	
13		ALEX G. TSE United States Attorney	
14 15		/s/ Michael T. Pyle	
16		MICHAEL T. PYLE (CABN 172954) Assistant United States Attorney	
17		150 Almaden Boulevard, Suite 900 San Jose, California 95113	
18		Telephone: (408) 535-5087 FAX: (408) 535-5081	
19		Email: michael.t.pyle@usdoj.gov	
20		MICHAEL CDANGTON	
21		MICHAEL GRANSTON MICHAL TINGLE	
23		ROBERT CHANDLER Attorneys, Civil Division	
24		United States Department of Justice P.O. Box 261, Ben Franklin Station	
25		Washington, D.C. 20044 Telephone: (202) 514-4678	
26		robert.chandler@usdoj.gov	
27		Attorneys for the United States of America	
28	LINITED CTATEC! COMBLAINT IN INTERVENTION	N- C 12 2925 ID	

1 **DEMAND FOR JURY TRIAL** 2 Pursuant to Rule 38 of the Federal Rules of Civil Procedure, the United States demands a 3 4 jury trial in this action. 5 DATED: January 14, 2019 Respectfully submitted, 6 ALEX G. TSE 7 United States Attorney 8 /s/ Michael T. Pyle MICHAEL T. PYLE (CABN 172954) 9 Assistant United States Attorney 10 150 Almaden Boulevard, Suite 900 San Jose, California 95113 11 Telephone: (408) 535-5087 FAX: (408) 535-5081 12 Email: michael.t.pyle@usdoj.gov 13 14 MICHAEL GRANSTON 15 MICHAL TINGLE ROBERT CHANDLER 16 Attorneys, Civil Division United States Department of Justice 17 P.O. Box 261, Ben Franklin Station 18 Washington, D.C. 20044 Telephone: (202) 514-4678 19 robert.chandler@usdoj.gov 20 Attorneys for the United States of America 21 22 23 24 25 26 27